

# pCAMBIA2300

## 载体基本信息

出品公司：CAMBIA

载体名称：pCAMBIA2300

质粒类型：植物载体；农杆菌双元表达载体

高拷贝/低拷贝：高拷贝

克隆方法：限制性内切酶，多克隆位点

启动子：Lac

载体大小：8743 bp

5' 测序引物及序列：M13 Reverse: CAGGAAACAGCTATGAC

3' 测序引物及序列：M13/pUC Forward: CCCAGTCACGACGTTGTAAAACG

载体抗性：卡那霉素

筛选标记：新霉素（Neomycin）

克隆菌株：HB101 等菌株

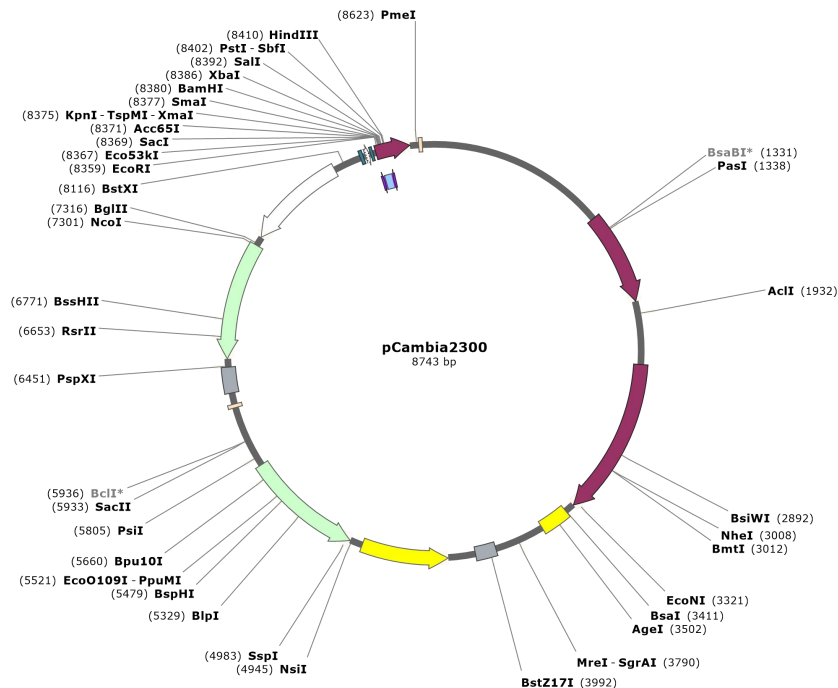
宿主细胞（系）：植物细胞、农杆菌

稳定性：稳表达

组成型/诱导型：诱导型

病毒/非病毒：非病毒

## 载体质粒图谱和多克隆位点信息



## 使用说明：

1. 建议收到质粒后请先转化感受态（克隆菌株），再挑选单菌落重新提取后使用。
2. 转化前请准确查找该质粒对应的抗生素、抗生素浓度、感受态（克隆菌株）和培养温度。

3.如有必要请测序后使用。

**载体序列:**

CATGCCAACCACAGGGTTCCCCTCGGGATCAAAGTACTTTGATCCAACCCCTCCGCTGCTATAGTGCAGTCG  
GCTTCTGACGTTACAGTGCAGCCGTCTTCTGAAAACGACATGTCGCACAAGTCTAAGTTACGCGACAGGCTG  
CCGCCCTGCCCTTTTCTGGCGTTTTCTGTGCGGTGTTTTAGTCGCATAAAGTAGAATACTTGCGACTAGAA  
CCGGAGACATTACGCCATGAACAAGAGCGCCGCCGCTGGCCTGCTGGGCTATGCCCGCGTCAGCACCGACG  
ACCAGGACTTGACCAACCAACGGGCCGAAGTGCACGCGGCCGGCTGCACCAAGCTGTTTTCCGAGAAGAT  
CACCGGACACAGGCGGACCGCCCGGAGCTGGCCAGGATGCTTGACCACCTACGCCCTGGCGACGTTGTG  
ACAGTGACCAGGCTAGACCGCCTGGCCCGCAGCACCCGCGACCTACTGGACATTGCCGAGCGCATCCAGG  
AGGCCGCGCGGGCCTGCGTAGCCTGGCAGAGCCGTGGGCCGACACCACCACGCCGCGCCGCGCATGG  
TGTTGACCGTGTTCGCCGGCATTGCCGAGTTCGAGCGTTCCCTAATCATCGACCGCACCCGGAGCGGGCGC  
GAGGCCGCCAAGGCCGAGGCGTGAAGTTTGGCCCCGCCCTACCCTACCCCGGCACAGATCGCGCACG  
CCC CGAGCTGATCGACCAGGAAGGCCGACCGTGAAGAGGGCGGCTGCACTGCTGGCGTGCATCGCTC  
GACCCTGTACCGCGCACTTGAGCGCAGCGAGGAAGTGACGCCACCGAGGCCAGGCGGCGCGGTGCCTT  
CCGTGAGGACGCATTGACCGAGGCCGACGCCCTGGCGGCCGCCGAGAATGAACGCCAAGAGGAACAAGC  
ATGAAACCGCACAGGACGGCCAGGACGAACCGTTTTTTCATTACCGAAGAGATCGAGGCGGAGATGATCG  
CGGCCGGGTACGTGTTGAGCCGCCCGCGCACGTCTCAACCGTGC GGCTGCATGAAATCCTGGCCGTTTG  
TCTGATGCCAAGCTGGCGGCCCTGGCCGGCCAGCTTGGCCGCTGAAGAAACCGAGCGCCGCCGTAAAAA  
GGTGATGTGATTTGAGTAAACAGCTTGCCTCATGCGTGCCTGCTGCTATATGATGCGATGAGTAAATAACA  
AATACGCAAGGGGAACGCATGAAGGTTATCGCTGTACTTAACCAGAAAGGCCGGGTCAGGCAAGACGACCA  
TCGCAACCCATCTAGCCCGGCCCTGCAACTCGCCGGGGCCGATGTTCTGTTAGTCGATTCCGATCCCCAGG  
GCAGTGCCCGCGATTGGGCGGCCGTGCGGGAAGATCAACCGTAACCGTTGTCGGCATCGACCGCCCGAC  
GATTGACCGCGACGTGAAGGCCATCGGCCGGCGGACTTCGTAGTGATCGACGGAGCGCCCCAGGCGGCG  
GACTTGGCTGTGTCCGCGATCAAGGCAGCCGACTTCGTGCTGATTCCGGTGCAGCCAAGCCCTTACGACATA  
TGGGCCACCGCCGACCTGGTGGAGCTGGTTAAGCAGCGCATTGAGGTCACGGATGGAAGGCTACAAGCGG  
CCTTTGCTGTGTCGCGGGCGATCAAAGGCACGCGCATCGGCCGGTGAGGTTGCCGAGGCGCTGGCCGGGTA  
CGAGCTGCCATTCTTGAGTCCCGTATCACGCAGCGCGTGAGCTACCCAGGCACTGCCGCCCGCCGACAAA  
CCGTTCTTGAATCAGAACCCGAGGGCGACGCTGCCCGGAGGTCAGGCGCTGGCCGCTGAAATTAATCA  
AAACTCATTTGAGTTAATGAGGTAAAGAGAAAATGAGCAAAAGCACAAACACGCTAAGTGCCGGCCGTCCG  
AGCGCACGCAGCAGCAAGGCTGCAACGTTGGCCAGCCTGGCAGACACGCCAGCCATGAAGCGGGTCAAC  
TTTCAGTTGCCGGCGGAGGATCACACCAAGCTGAAGATGTACGCGGTACGCCAAGGCAAGACCATTACCGA  
GCTGCTATCTGAATACATCGCGCAGCTACCAGAGTAAATGAGCAAATGAATAAATGAGTAGATGAATTTAGC  
GGCTAAAGGAGGCGGCATGAAAAATCAAGAAACAACCAGGCACCGACCGTGAATGCCCATGTGTGGA  
GGAACGGGCGGTTGGCCAGGCGTAAGCGGCTGGGTTGTCTGCCGCCCTGCAATGGCACTGGAACCCCA  
AGCCCCGAGGAATCGGCGTGAGCGGTCGAAACCATCCGGCCCGGTACAAATCGGCGCGGGCGCTGGGTGAT  
GACCTGGTGGAGAAGTTGAAGGCCGCGCAGGCCCGCCAGCGGCAACGCATCGAGGCAGAAGCACGCCCC  
GGTGAATCGTGGCAAGCGGCCGCTGATCGAATCCGCAAAGAATCCCGCAACCGCCGGCAGCCGGTGC GC  
CGTCGATTAGGAAGCCGCCAAGGGCGACGAGCAACCAGATTTTTTCGTTCCGATGCTCTATGACGTGGGC  
ACCCCGGATAGTCGCAGCATCATGGACGTGGCCGTTTTCCGTCTGTGCAAGCGTGACCGACGAGCTGGCGA  
GGTGATCCGCTACGAGCTCCAGACGGGCACGTAGAGGTTCCCGAGGGCCGGCCGGCATGGCCAGTGTG  
TGGGATTACGACCTGGTACTGATGGCGGTTTCCATCTAACCGAATCCATGAACCGATACCGGGAAGGGAAG  
GGAGACAAGCCCGGCCGCGTGTCCGTCCACACGTTGCGGACGTACTCAAGTTCTGCCGGCGAGCCGATG

GCGGAAAGCAGAAAGACGACCTGGTAGAAACCTGCATTTCGGTTAAACACCACGCACGTTGCCATGCAGCGT  
ACGAAGAAGGCCAAGAACGGCCGCCTGGTGACGGTATCCGAGGGTGAAGCCTTGATTAGCCGCTACAAGA  
TCGTAAAGAGCGAAACCGGGCGGCCGAGTACATCGAGATCGAGCTAGCTGATTGGATGTACCGCGAGATC  
ACAGAAGGCAAGAACCCGGACGTGCTGACGGTTCACCCCGATTACTTTTTGATCGATCCCGGCATCGGCCG  
TTTTCTCTACCGCCTGGCACGCCGCGCCGAGGCAAGGCAGAAGCCAGATGGTTGTTCAAGACGATCTACG  
AACGCAGTGGCAGCGCCGAGAGTTCAAGAAGTTCTGTTTACCCTGCGCAAGCTGATCGGGTCAAATGA  
CCTGCCGGAGTACGATTTGAAGGAGGAGGCGGGCAGGCTGGCCGATCCTAGTCATGCGCTACCGCAAC  
CTGATCGAGGGCGAAGCATCCGCCGTTCTAATGTACGGAGCAGATGCTAGGGCAAATTGCCCTAGCAGG  
GGAAAAAGTTCGAAAAGTCTCTTTCTGTGGATAGCACGTACATTGGGAACCCAAAGCCGTACATTGGGA  
ACCGGAACCCGTACATTGGGAACCCAAAGCCGTACATTGGGAACCCGTCACACATGTAAGTACTGATATAA  
AAGAGAAAAAGGCGATTTTTCCGCCTAAAACCTTTAAAACCTTATAAAAACCTTAAAAACCCGCTGGCCT  
GTGCATAACTGTCTGGCCAGCGCACAGCCGAAGAGTGCAAAAAGCGCCTACCCTTCGGTCGCTGCGCTCC  
CTACGCCCGCCGCTTCGCGTCCGCTATCGCGGCCGCTGGCCGCTCAAAAATGGCTGGCTACGCCAGG  
CAATCTACCAGGGCGCGGACAAGCCGCGCCGTCGCCACTCGACCGCCGGCGCCACATCAAGGCACCCTG  
CCTCGCGCTTTTCGGTGTGACGGTGAAAACCTCTGACACATGCAGCTCCCGGAGACGGTCACAGCTTGT  
TGTAAGCGGATGCCGGGAGCAGACAAGCCGTCAGGGCGCGTCAGCGGGTGTGGCGGGTGTGGGGCG  
CAGCCATGACCCAGTCACGTAGCGATAGCGGAGTGATACTGGCTTAACTATGCGGCATCAGAGCAGATTGT  
ACTGAGAGTGCACCATATGCGGTGTGAAATACCGCACAGATGCGTAAGGAGAAAATACCGCATCAGGCGCT  
CTCCGCTTCTCGCTCACTGACTCGTCTCGCTCGGTCGTTTCGGCTGCGGCGAGCGGTATCAGCTCACTCAA  
AGGCGGTAATACGGTTATCCACAGAATCAGGGGATAACGCAGGAAAGAACATGTGAGCAAAAAGGCCAGCA  
AAAGGCCAGGAACCGTAAAAAGGCCGCTTGTGGCGTTTTTCATAGGCTCCGCCCCCTGACGAGCATC  
ACAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTATAAAGATAACAGGCGTTTTCCCT  
GGAAAGCTCCCTCGTGCCTCTCCTGTTCCGACCCTGCCGTTACCGGATACCTGTCCGCTTTCTCCCTCGG  
GAAGCGTGGCGCTTTCTCATAGCTCACGCTGTAGGTATCTCAGTTCGGTGTAGGTCGTTCCGCTCCAAGCTGG  
GCTGTGTGCACGAACCCCGTTCAGCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGAGTCCAACCC  
GGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAGCAGAGCGAGGTATGTAGGCG  
GTGCTACAGAGTTCTTGAAGTGGTGGCCTAACTACGGCTACACTAGAAGGACAGTATTTGGTATCTGCGCTC  
TGCTGAAGCCAGTTACCTTCGGAAGAGTTGGTAGCTCTTGATCCGGCAAACAACCCAGGCTGGTAGC  
GGTGGTTTTTTGTTTGAAGCAGCAGATTACGCGCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTT  
TCTACGGGGTCTGACGCTCAGTGGAAACGAAAACCTCACGTTAAGGGATTTTGGTCATGCATTCTAGGTAATAA  
AACAAATTCATCCAGTAAAATATAATATTTTATTTTCTCCAATCAGGCTTGATCCCAGTAAGTCAAAAAATAGC  
TCGACATACTGTTCTTCCCGATATCCTCCCTGATCGACCGGACGCAGAAGGCAATGTCATACCACTTGTCCG  
CCCTGCCGCTTCTCCAAGATCAATAAAGCCACTTACTTTGCCATCTTTCACAAAGATGTTGCTGTCTCCAG  
GTCGCCGTGGGAAAAGACAAGTTCCTCTTCGGGCTTTTCCGTCTTAAAAAATCATAAGCTCGCGCGGATC  
TTAAATGGAGTGTCTTCTCCAGTTTTTCGCAATCCACATCGGCCAGATCGTTATTAGTAAGTAATCCAATT  
CGGCTAAGCGGCTGTCTAAGCTATTCTATAGGACAATCCGATATGTCGATGGAGTGAAAGAGCCTGATGC  
ACTCCGCATACAGCTCGATAATCTTTTCAGGGCTTTGTTTCATCTTCACTCTTCCGAGCAAAGGACGCCATC  
GGCCTCACTCATGAGCAGATTGCTCCAGCCATCATGCCGTTCAAAGTGCAGGACCTTTGGAACAGGCAGCT  
TTCCTCCAGCCATAGCATCATGTCCTTTCCGTTCCACATCATAGGTGGTCCCTTTATACCGGCTGTCCGTC  
TTTTAAATATAGGTTTTCATTTTTCTCCACCAGCTTATATACCTTAGCAGGAGACATTCTTCCGATCTTTTAC  
GCAGCGGTATTTTCGATCAGTTTTTCAATTCGGTGATATTCTATTTAGCCATTTATTATTCCTTCTCTT  
TTCTACAGTATTTAAAGATACCCCAAGAAGCTAATTATAACAAGACGAACTCCAATCACTGTTCTTGCATTC

TAAAACCTTAAATACCAGAAAACAGCTTTTTCAAAGTTGTTTTCAAAGTTGGCGTATAACATAGTATCGACGG  
AGCCGATTTTGAACCGCGGTGATCACAGGCAGCAACGCTCTGTCATCGTTACAATCAACATGCTACCTCC  
GCGAGATCATCCGTGTTTTCAAACCCGGCAGCTTAGTTGCCGTTCTTCCGAATAGCATCGGTAACATGAGCAA  
AGTCTGCCGCCTTACAACGGCTCTCCCGCTGACGCCGCTCCCGACTGATGGGCTGCCTGTATCGAGTGGTGA  
TTTTGTGCCGAGCTGCCGGTCGGGGAGCTGTTGGCTGGCTGGTGGCAGGATATATTGGTGTAAACAAAT  
TGACGCTTAGACAACCTAATAACACATTGCGGACGTTTTTAATGTAAGTGAATTAACGCCGAATTAATTCGGGG  
GATCTGGATTTTAGTACTGGATTTTGGTTTTAGGAATTAGAAATTTTATTGATAGAAGTATTTTACAAATACAA  
ATACATACTAAGGGTTTCTTATATGCTCAACACATGAGCGAAACCTATAGGAACCTAATTCCTTATCTGGG  
AACTACTCACACATTATTATGGAGAAAACCTCGAGCTTGTGCATCGACTCTAGCTAGAGGATCGATCCGAACCC  
AGAGTCCCGCTCAGAAGAAGCTCGTCAAGAAGGCGATAGAAGGCGATGCGCTGCGAATCGGGAGCGGCGAT  
ACCGTAAAGCACGAGGAAGCGGTCAGCCCATTGCGCCAAAGCTCTTCAGCAATATCACGGGTAGCCAACG  
CTATGCTCTGATAGCGGTCCGCCACACCCAGCCGCCACAGTCGATGAATCCAGAAAAGCGGCCATTTTCCA  
CCATGATATTGCGCAAGCAGGCATCGCCATGTGTACGACGAGATCCTCGCCGTCGGGCATGCGCGCCTTGA  
GCCTGGCGAACAGTTCGGCTGGCGCGAGCCCCTGATGCTCTTCGTCCAGATCATCCTGATCGACAAGACCG  
GCTTCCATCCGAGTACGTGCTCGCTCGATGCGATGTTTCGCTTGGTGGTGAATGGGCAGGTAGCCGGATCA  
AGCGTATGCAGCCGCCGATTGCATCAGCCATGATGGATACTTTCTCGGCAGGAGCAAGGTGAGATGACAG  
GAGATCCTGCCCCGGCACTTCGCCAATAGCAGCCAGTCCCTTCCCGCTTCAGTGACAACGTGAGCACAG  
CTGCGCAAGGAACGCCGCTCGTGCCAGCCACGATAGCCGCGCTGCCTCGTCCTGGAGTTCATTCAGGGCA  
CCGGACAGGTGGTCTTGACAAAAAGAACCGGGCGCCCCTGCGCTGACAGCCGGAACACGGCGGCATCA  
GAGCAGCCGATTGTCTGTTGTGCCAGTCATAGCCGAATAGCCTCTCCACCCAAGCGGCCGGAGAACCTGC  
GTGCAATCCATCTTGTTCAATCCCATGGTCGATCGACAGATCTGCGAAAAGCTCGAGAGAGATAGATTTGTA  
GAGAGAGACTGGTGATTTAGCGTGTCTCTCCAAATGAAATGAACTTCCTTATATAGAGGAAGGTCTTGCG  
AAGGATAGTGGGATTGTGCGTCATCCCTTACGTGAGGATATCACATCAATCCACTTGCTTTGAAGACGT  
GGTTGGAACGTCTTCTTTTTCCACGATGCTCCTCGTGGGTGGGGTCCATCTTTGGGACCACTGTCGGCAGA  
GGCATCTTGAACGATAGCCTTTCTTTATCGCAATGATGGCATTGTAGGTGCCACCTTCTTTTCTACTGTCC  
TTTTGATGAAGTGACAGATAGCTGGGCAATGGAATCCGAGGAGGTTTCCCGATATTACCCTTTGTTGAAAAG  
TCTCAATAGCCCTTTGGTCTTCTGAGACTGTATCTTTGATATTCTTGGAGTAGACGAGAGTGTGCTGCTCCAC  
CATGTTATCACATCAATCCACTTGCTTTGAAGACGTGGTTGGAACGTCTTCTTTTTCCACGATGCTCCTCGTG  
GGTGGGGTCCATCTTTGGGACCACTGTCGGCAGAGGCATCTTGAACGATAGCCTTTCTTTATCGCAATGA  
TGGCATTTGTAGGTGCCACCTTCTTTTCTACTGTCTTTTATGATGAAGTGACAGATAGCTGGGCAATGGAATC  
CGAGGAGGTTTCCCGATATTACCCTTTGTTGAAAAGTCTCAATAGCCCTTTGGTCTTCTGAGACTGTATCTTT  
GATATTCTTGGAGTAGACGAGAGTGTGCTGCTCCACCATGTTGGCAAGCTGCTCTAGCCAATACGCAAACCG  
CCTCTCCCCGCGGTTGGCCGATTATTAATGCAGCTGGCAGCAGAGGTTTCCCGACTGGAAAGCGGGCAG  
TGAGCGCAACGCAATTAATGTGAGTTAGCTCACTCATTAGGCACCCCAGGCTTTACACTTTATGCTTCCGGCT  
CGTATGTTGTGTGGAATTGTGAGCGGATAACAATTCACACAGGAAACAGCTATGACCATGATTACGAATTCG  
AGCTCGGTACCCGGGGATCCTCTAGAGTCGACCTGCAGGCATGCAAGCTTGGCACTGGCCGTCGTTTTACA  
ACGTCGTGACTGGGAAAACCTGGCGTTACCCAACCTAATCGCCTTGCAGCACATCCCCCTTTCGCCAGCTG  
GCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCAGCCTGAATGGCGAATGCTAGA  
GCAGCTTGAGCTTGGATCAGATTGTCGTTTTCCCGCTCAGTTAAACTATCAGTGTTTACAGGATATATTG  
GCGGGTAAACCTAAGAGAAAAGAGCGTTTTATTAGAATAACGGATATTTAAAAGGGCGTGAAAAGGTTTTATC  
CGTTCGTCCATTTGTATGTG

